

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 7, 2008 (Use as many sheets as necessary)		Complete if Known	
Application Number		10/580,458	
Filing Date		10/26/2005	
First Named Inventor		William VAINCHENKER	
Art Unit		1652	
Examiner Name		Sheridan Swope	
Attorney Docket Number		065691-0445	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	C1	2003/0012788 A1	01/16/2003	Renauld et al.	
	C2	2004/0106132 A1	06/03/2004	Huang et al.	
	C3	2004/0205835 A1	10/14/2004	lhle et al.	
	C4	2005/0250127 A1	11/10/2005	Fisher et al.	
	C5	2006/0019284 A1	01/26/2006	Huang et al.	
	C6	2006/0029944 A1	02/09/2006	Huang et al.	
	C7	2007/0111238 A1	05/17/2007	Jamieson et al.	
	C8	2007/0248961 A1	10/25/2007	Albitar et al.	
	C9	5,747,282 A	05/05/1998	Skolnick et al.	
	C10	5,753,441 A	05/19/1998	Skolnick et al.	
	C11	6,265,160 B1	07/24/2001	Leonard, Warren J.	
	C12	6,534,277 B1	03/18/2003	Hancock et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	C13	EP 1 186 672 B1	11/30/2005	AstraZeneca AB		
	C14	WO 95/11995 A1	05/04/1995	Affymax Technologies N.V.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C15	"Top Scientists to Receive Prestigious Awards from the American Society of Hematology, December 12, 2007, 2 pgs.	
	C16	ANDERSSON et al., "No evidence for an altered nRNA expression or protein level of haematopoietic cell phosphatase in CD34 ⁺ bone marrow progenitor cells or mature peripheral blood cells in polycythaemia vera," Eur. J. Haematol., 1997, 59:310-317.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 2 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C17	ARORA et al., "Advances in molecular diagnostics of myeloproliferative disorders," Expert Opin. Med. Diagn., 2007, 1(1):65-80.	
	C18	ASIMAKOPOULOS et al., "The gene encoding hematopoietic cell phosphatase (<i>SHP-1</i>) is structurally and transcriptionally intact in polycythemia vera," Oncogene, 1997, 14:1215-1222.	
	C19	BAROSI et al., "Incidence and Clinical Profile of JAK2 V617F Mutation in Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):78a, Abstract 256.	
	C20	BAXTER et al., "The V617F JAK2 Mutation Is Uncommon in Cancers and Mutations in STAT5A, STAT5B and the JAK Family Genes Do Not Account for V617F Negative Myeloproliferative Disorders," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):731a, Abstract 2598.	
	C21	BERKOFKY-FESSLER et al., "The Transcriptional Profile of PV Displays Limited Similarity to EPO Stimulated Progenitor Cells: Evidence That JAK2 V617F Confers a Novel Program to Malignant Hematopoietic Stem Cells," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):39a, Abstract 120.	
	C22	BOGGON, Titus J., "Jak3 Kinase Domain Crystal Structures and Implications for Jak-Specific Drug Design," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):24a-25a, Abstract 69.	
	C23	BUMM et al., "JAK2 V617F Mutation Induces a Myeloproliferative Disorder in Mice," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):114a, Abstract 376.	
	C24	CASADEVALL et al., "Erythroid Progenitors in Polycythemia Vera: Demonstration of Their Hypersensitivity to Erythropoietin Using Serum Free Cultures," Blood, February 1982, 59(2):447-451.	
	C25	CHEUNG et al., "The Presence of the V617F Mutation Is Associated with Higher Haemoglobin, Older Age and an Increased Risk of Thrombosis in Essential Thrombocythemia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):985a, Abstract 3531.	
	C26	DELHOMMEAU et al., "Evidence that the JAK2 G1849T (V617F) mutation occurs in a lymphomyeloid progenitor in polycythemia vera and idiopathic myelofibrosis," Blood, January 1, 2007, 109(1):71-77.	
	C27	EBERT et al., "Characterization of Distinct Molecular Signatures in Myeloproliferative Diseases with the JAK2V617F Mutation and Wild Type JAK2," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):39a, Abstract 119.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 3 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C28	FALANGA et al., "Distinct Hemostatic Profile of Leukocytes in Essential Thrombocythemia (ET) Carrying the JAK2 V617F Mutation," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):114a, Abstract 378.	
	C29	FINAZZI et al. "JAKVal617Phe Mutation Correlates with the Risk of Thrombosis in Patients with Essential Thrombocythemia" Blood (ASH 47-Annual Meeting Abstract) 106: Abstract # 2580 November 2005.	
	C30	FIORINI et al. "Clonality Assay (X-CIP) and Jak2 V617P Mutation: Clustering Patients with Essential Thrombocythemia at High Risk for Thrombosis" Blood (ASH 47-Annual Meeting Abstract) 106: Abstract # 2597 November 2005.	
	C31	GAIKWAD et al., "Will Imatinib Be Useful for Patients with Polycythemia Vera?", Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):731a-732a, Abstract 2601.	
	C32	GARCON et al., "Constitutive Activation of STAT5 and Bcl-XL Overexpression Can Induce Endogenous Erythroid Colony Formation in Human Primary Cells. Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):877a, Abstract 3135.	
	C33	GORRE et al., "Novel Quantitative Flow Cytometry-Based Signaling Assays Reveal a Potential Role for HSP90 Inhibitors in the Treatment of JAK2 Mutant-Positive Diseases," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):984a, Abstract 3526.	
	C34	GREEN et al., "JAK2 V617F Mutation Identifies a Biologically Distinct Subtype of Essential Thrombocythemia Which Resembles Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):77a, Abstract 253.	
	C35	HESS et al., "Molecular analysis of the erythropoietin receptor system in patients with polycythaemia vera," British Journal of Maematology, 1994, 88:794-802.	
	C36	IPSOGEN Cancer Profiler, JAK2 V617F MutaQuant™ Kit, 2008, 22 pgs.	
	C37	JAMES et al., "Detection of JAK2 V617F in the Diagnosis of Erythrocytosis: Feasibility and Diagnostic Value in Clinical Practice," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):703a, Abstract 2595.	
	C38	JAMIESON et al., "Molecular Progenitor Profiling in Human Myeloproliferative Disorders," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):38a-39a, Abstract 118.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 4 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C39	JONES et al., "No Significant Molecular Response in Polycythemia Vera Patients Treated with Imatinib or Interferon alpha," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):113a, Abstract 373.	
	C40	KAUSHANSKY, Kenneth, "On the molecular origins of the chronic myeloproliferative disorders: it all makes sense," Blood, June 1, 2005, 105(11):4187-4190.	
	C41	KAUSHANSKY, Kenneth, M.D., "The chronic myeloproliferative disorders and mutation of JAK2: Dameshek's 54 year old speculation comes of age," Best Practice & Research Clinical Haematology, 2007, 20(1):5-12.	
	C42	KILADJIAN et al., "Analysis of JAK2 Mutation in Essential Thrombocythemia (ET) Patients with Monoclonal and Polyclonal X-Chromosome Inactivation Patterns (XCIPs)," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):732a, Abstract 2603.	
	C43	KILADJIAN et al., "Evidence for Pulmonary Vascular Disease Despite Absence of Overt Pulmonary Arterial Hypertension (PAH) in Myeloproliferative Disorders (MPD) (PV and ET)," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):315b, Abstract 4939.	
	C44	KRALOVICS et al., "Acquired uniparental disomy of chromosome 9p is a frequent step cell defect in polycythemia vera," Experimental Hematology, 2002, 30:229-236.	
	C45	LE BOUSSE-KERDILES et al. Members of the French Inserm GEM European EUMNET Networks, "Microarray Functional Comparison of CD34+ and Megakaryocytic Cell Transcriptomes in Myeloid Metaplasia with Myelofibrosis," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):979a, Abstract 3505.	
	C46	LE COUEDIC et al., "Missense Mutation of the Erythropoietin Receptor Is a Rare Event in Human Erythroid Malignancies," Blood, February 15, 1996, 87(4):1502-1511.	
	C47	LINDAUER et al., "Prediction of the structure of human Janus kinase 2 (JAK2) comprising the two carboxy-terminal domains reveals a mechanism for autoregulation," Protein Engineering, 2001, 14(1):27-37.	
	C48	LIPPERT et al., "The JAK-2-V617F mutation is frequently present at diagnosis in patients with essential thrombocythemia and polycythemia vera," Blood, September 15, 2006, 108(6):1865-1867.	
	C49	MARCHETTI et al. on Behalf of the Researchers of the Italian Registry of Myelofibrosis, "Clinical Classification of Myelofibrosis with Myeloid Metaplasia (MMM): Cluster Analysis of 861 Patients Enrolled into a Nationwide Prospective Registry (RIMM)," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):725a, Abstract 2579.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 5 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C50	MARCOTEGUI et al., "A Gain of Function Mutation in JAK2 Is Frequently Found in Patients with AML-M2 and Normal Karyotype," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):665a-666a, Abstract 2366.	
	C51	MAY et al., "Generation of Specific Human CD8+ T Cell Responses to the Myeloproliferative Disorder Associated V617F Mutated JAK2 Kinase by Use of Analog Peptide Vaccine Candidates," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):981a, Abstract 3512.	
	C52	MEANS et al., "Erythropoietin Receptors in Polycythemia Vera," J. Clin. Inv., October 1989, 84:1340-1344.	
	C53	MESA et al., "JAK2 (V617F) Mutation Status and Neutrophil Apoptotic Resistance in Myelofibrosis with Myeloid Metaplasia (MMM): Correlation and Potential Identification through Phosphorylation Status of STAT3," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):978a, Abstract 3503.	
	C54	MESA et al., "JAK2 V617F Mutational Status in Myelofibrosis at and before Disease Progression Including Leukemic Transformation: A Longitudinal Study in 68 Patients," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):724a, Abstract 2575.	
	C55	MOLITERNO et al., "Impaired expression of the thrombopoietin receptor by platelets from patients with polycythemia vera," The New England Journal of Medicine, February 26, 1998, 572-580.	
	C56	MOLITERNO et al., "Molecular Mimicry in the Chronic Myeloproliferative Disorders: Reciprocity between JAK2 V617F Genotype and Mpl Expression," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):983a, Abstract 3520.	
	C57	MOLITERNO et al., "Posttranslational Processing of the Thrombopoietin Receptor Is Impaired in Polycythemia Vera," Blood, October 15, 1999, 94(8):2555-2561.	
	C58	OHYASHIKI et al., "Myelodysplastic Syndromes with Myelofibrosis May Be a Target for the JAK2 V617F Tyrosine Kinase Mutation," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):304b, Abstract 4895.	
	C59	PARDANANI, A., "JAK2 inhibitor therapy in myeloproliferative disorders: rationale, preclinical studies and ongoing clinical trials," Leukemia, 2007, 1-8.	
	C60	PASSAMONTI et al., "Relationship between JAK2 V617F Mutation Status and Constitutive Mobilization of CD34-Positive Cells into Peripheral Blood in Patients with Chronic Myeloproliferative Disorder," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):727a, Abstract 2586.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 6 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C61	PATEL et al., "Prevalence of the Activating JAK2 Tyrosine Kinase Mutation V617F in the Budd-Chiari Syndrome," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):728a, Abstract 2588.	
	C62	PEARSON, Thomas C., "Evaluation of Diagnostic Criteria in Polycythemia Vera," Seminars in Hematology, January 1, 2001, 38(1), Supp.2:21-24.	
	C63	PERCY et al., "Mutations in the VHL Gene Are the Major Identified Cause of Inherited Erythrocytosis," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):169a, Abstract 569.	
	C64	PIETRA et al., "Relationship between JAK2 V617F Mutation Status, Granulocyte CD177 mRNA Expression and CD177 Soluble Protein Level in Patients with Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):725a, Abstract 2578.	
	C65	POPAT et al., "High Circulating CD34 Cells, Dacrococytes, Clonal Hematopoiesis, and JAK 2 Mutation Differentiate Secondary Myelofibrosis Associated with Pulmonary Hypertension from Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):728a, Abstract 2589.	
	C66	POTTI et al., "Gene Expression Patterns Identify Novel Biologically Relevant Signaling and Transcriptional Pathways Involved in Terminal Erythroid Differentiation and Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):984a, Abstract 3524.	
	C67	PRCHAL et al., "In Vitro Expansion of Polycythemia Vera Progenitors Favors Expansion of Erythroid Precursors without JAK2 V617F Mutation," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):979a, Abstract 3506.	
	C68	QUENTMEIER et al., "JAK2 V617F Tyrosine Kinase Mutation in Leukemia Cell Lines," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):205b, Abstract 4505.	
	C69	ROEDER et al., "STAT3 is constitutively active in some patients with <i>Polycythemia rubra vera</i> ," Experimental Hematology, 2001, 29:694-702.	
	C70	SATTLER et al., "The Jak2V617F Oncogene Associated with Polycythemia Vera Regulates G1/S-Phase Transition," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):980a, Abstract 3510.	
	C71	SCHNITTGER et al., "JAK2 Mutation Screening and Chromosome Analysis Are Necessary for a Comprehensive Diagnostic Work up in CMPD: A Study on 469 Cases," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):321b, Abstract 4963.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 7 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C72	SILVA et al., "Express of Bcl-x in erythroid precursors from patients with polycythemia vera," The New England Journal of Medicine, February 26, 1998, 564-571.	
	C73	SILVER et al., "Validation of JAK2 and New Clinical Criteria for the Diagnosis of Polycythemia Vera (PV)," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):323b, Abstract 4971.	
	C74	SPIVAK et al., "Chronic Myeloproliferative Disorders," Hematology, 2003, 200-224.	
	C75	STEENSMA, David P., "JAK2 V617F in Myeloid Disorders: Molecular Diagnostic Techniques and Their Clinical Utility," Journal of Molecular Diagnostics, September 2006, 8(4):397-411.	
	C76	SZPURKA et al., "Presence of JAK2 Mutations in MDS/MPD-u WHO Classified Patients and Not Other Forms of MDS Suggests Their Derivation from Classical Myeloproliferative Syndrome," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):112a, Abstract 369.	
	C77	TEFFERI et al., "Classification and diagnosis of myeloproliferative neoplasms: The 2008 World Health Organization criteria and point-of-care diagnostic algorithms," Leukemia, 2008, 22:14-22.	
	C78	TEFFERI et al. "Concomitant Neutrophil JAK2V617F Mutation Screening and PRV-1 Expression Analysis in Myeloproliferative Disorders and Secondary Polycythemia" British J. Hematology 131: 166-171 2005.	
	C79	TEFFERI et al., "The Clinical and PRV-1 Expression Phenotype of Wild-Type, Heterozygous, and Homozygous JAK2 V617F in Polycythemia Vera," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):78a, Abstract 255.	
	C80	Tefferi et al., "The JAK2(V617F) tyrosine kinase mutation in myelofibrosis with myeloid metaplasia: lineage specificity and clinical correlates," Br. J. Haematol., Nov. 2005, 131(3):320-8, Abstract two pages.	
	C81	TEFFERI et al., "Lenalidomide (CC-5013) Treatment for Anemia Associated with Myelofibrosis with Myeloid Metaplasia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):726a, Abstract 2583.	
	C82	TEFFERI et al., "The JAK2 V617F Tyrosine Kinase Mutation in Myelofibrosis with Myeloid Metaplasia: Clinical Correlates and Prognostic Relevance in 157 Patients," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):978a, Abstract 3502.	
	C83	TEMERINAC et al., "Cloning of PRV-1, a novel member of the uPAR receptor superfamily, which is overexpressed in polycythemia rubra vera," Blood, April 15, 2000, 95(8):2569-2576.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: July 7, 2008

(use as many sheets as necessary)

Sheet 8 of 8

Complete if Known

Application Number	10/580,458
Filing Date	10/26/2005
First Named Inventor	William VAINCHENKER
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	065691-0445

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C84	THURMES et al., "Molecularly Confirmed Polycythemia Vera with Elevated Endogenous Serum Erythropoietin Level: Diagnostic Algorithms Revisited," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):321b-322b, Abstract 4964.	
	C85	VAINCHENKER et al., "A Unique Activating Mutation in JAK2 (V617F) Is at the Origin of Polycythemia Vera and Allows a New Classification of Myeloproliferative Diseases," Hematology, Am Soc Hematol Educ Program. 2005;195-200.	
	C86	WOLANSKYJet al., "JAK2 V617F Mutation in Essential Thrombocythemia: Clinical Associations and Long-Term Prognostic Relevance," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):77a-78a, Abstract 254.	
	C87	YOSHIDA et al., "The JAK2 V617F Mutation Is Uncommon in Patients with Juvenile Myelomonocytic Leukemia," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):316b, Abstract 4942.	
	C88	ZALESKAS et al., "Molecular Pathogenesis of Polycythemia Induced in Mice by JAK2 V617F," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):38a, Abstract 116.	
	C89	ZOI et al., "Increased Expression of the PRV-1 Gene in Thalassemia Reflects the Rate of the Underlying Erythropoietic Activity," Blood (ASH Annual Meeting Abstracts), November 2005; 106(11):754a-755a, Abstract 2687.	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.